

## Simple EA counting candlestick patterns in Tester

The candlestick patterns I want to detect:

- Consecutive positive, negative candles (from 1 to theoretically 60)

Aggregated results the EA should display for every hour of the day:

### A) Amount of Consecutive positive, negative candles

Example:

10 a.m – 11:am

#### **Bullish candles:**

- candle number 1: 15
- candle number 2: 8
- candle number 3: 4
- candle number 4: 1
- candle number 5: 0

preferably after 0 candle number, it is not displayed any further (but theoretically up to 60 positive candles for example)

#### **Bearish candles:**

- candle number 1: 18
  - candle number 2: 5
- etc.

### B) Average size of candlestick patterns in points and %

#### **Bullish candlestick patterns:**

points: Close prize last candle of formation – Open prize first candle in formation

- %:  $(\text{Close prize last candle of formation} - \text{Open prize first candle in formation}) / \text{Open prize first candle in formation} \times 100$

**Bearish candlestick patterns:**

- points:  $\text{Open prize first candle of formation} - \text{Close prize last candle in formation}$

- %:  $(\text{Open prize first candle of formation} - \text{Close prize last candle in formation}) / \text{Open prize first candle of formation} \times 100$

Example:

10 a.m – 11:am

Bullish candles:

- candle number 1: 15; 28p
- candle number 2: 8; 39p
- candle number 3: 4; 51p
- candle number 4: 1; 58p
- candle number 5: 0

Bearish candles:

- candle number 1: 18; 21p
  - candle number 2: 5; 13p
- etc.

C) Average maximum for bullish formations, Average minimum for bearish formations in points and %

**Bullish candlestick patterns:**

points:  $\text{highest price in formation} - \text{open prize first candle of formation}$

%:  $(\text{highest price in formation} - \text{open prize first candle of formation}) / \text{open prize first candle of formation} \times 100$

**Bearish candlestick patterns (results will be negative numbers)**

points:  $\text{lowest price in formation} - \text{open prize first candle of formation}$

%:  $(\text{lowest price in formation} - \text{open prize first candle of formation}) / \text{open prize first candle of formation} \times 100$

#### D) Average spread in points and %

The spread is calculated at the beginning of each new candle and divided by 60 to get an average for every hour.

spread in points: ask – bid

spread in % =  $(\text{ask} - \text{bid}) / \text{ask} * 100$

The 60 values for every hour are added together and divided by 60 to get the average